

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A hybridization method comprising
~~of hybridizing a sample biopolymer and a probe biopolymer in a state that a solution containing~~
~~the sample biopolymer is in contact~~ contacting a solution comprising a sample biopolymer with
~~only a slide glass~~ glass slide, wherein to which the a probe biopolymer is immobilized to the
glass slide,

placing the glass slide into a vessel comprising a solution having the same vapor pressure
as the solution comprising the sample biopolymer, wherein the vessel solution is not in contact
with the solution comprising the sample biopolymer;

closing the vessel,

hybridizing the sample biopolymer and the probe biopolymer by carrying out
~~hybridization in a closed vessel containing a solution having the same vapor pressure as the~~
~~solution containing the sample biopolymer.~~

2. (Currently Amended) The hybridization method according to claim 1, ~~carrying out~~
~~hybridization on a slide glass~~ wherein the glass slide comprises ~~constituted of~~ a hydrophilic
region having a surface to which a plurality of probe biopolymers are immobilized and a
hydrophobic region, to which no probe biopolymer is immobilized, which is formed[[,]] around
the hydrophilic region.

3. (Currently Amended) The hybridization method according to claim 2, wherein the
~~slide glass~~ glass slide is a microarray formed by arranging a plurality of hydrophilic regions to

which a plurality of probe biopolymers are immobilized with a hydrophobic region to which no probe biopolymer is immobilized formed around the arranged plurality of hydrophilic regions.

4. (Withdrawn) A hybridization microarray to be applied to the hybridization according to claim 1, formed by arranging a plurality of hydrophilic regions to which a plurality of probe biopolymers are immobilized with a hydrophobic region to which no probe biopolymer is immobilized formed around the arranged plurality of hydrophilic regions.

5. (Withdrawn) A hybridization kit to be applied to the hybridization according to claim 1, comprising: a microarray formed by arranging a plurality of hydrophilic regions to which a plurality of probe biopolymers are immobilized with a hydrophobic region to which no probe biopolymer is immobilized formed around the arranged plurality of hydrophilic regions; and a closed vessel having an internal space capable of storing said microarray.

6. (New) The hybridization method of claim 1, wherein a volume of solution in the closed vessel is at least five times the quantity of the solution comprising the sample biopolymer.

7. (New) The hybridization method of claim 1, wherein the sample biopolymer is selected from the group consisting of DNA, RNA, peptide and protein.

8. (New) The hybridization method of claim 1, wherein the probe biopolymer is selected from the group consisting of DNA, RNA, peptide and protein.